SYMBOLS, ABBREVIATIONS, and PROCEDURES for NEW BRUNSWICK STANDARD LITHOLOGIC WELL LOG

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NEW BRUNSWICK

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1986

SYMBOLS,

ABBREVIATIONS,

and PROCEDURES

for

NEW BRUNSWICK

STANDARD LITHOLOGIC WELL LOG

Mineral Resources Division

Department of Natural Resources and Energy

New Brunswick

Copies available by contacting:

Mineral Resources Division,
Department of Natural Resources
& Energy
P.O. Box 6000, Fredericton, N.B.
E3B 5H1

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Author: C. St. Peter
Cover: Tim Fevens
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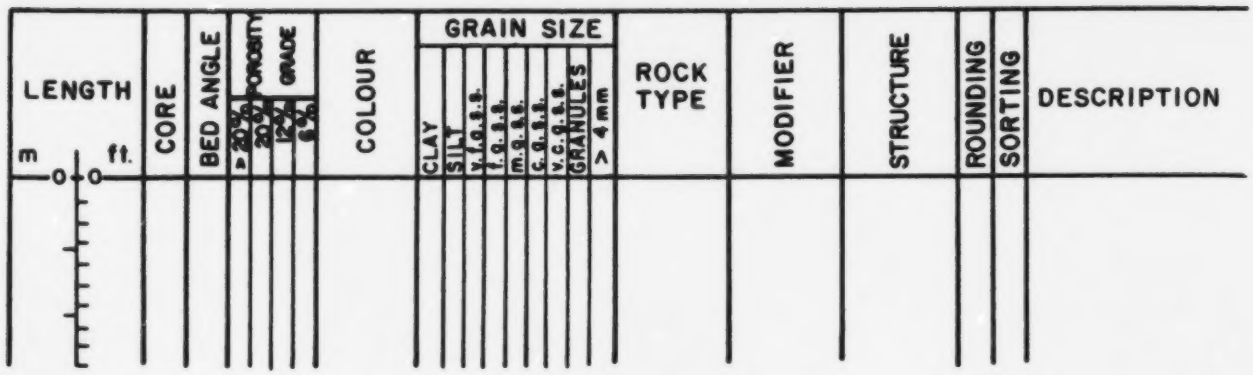
PREFACE

Open File Report 86-11 was prepared to accompany The New Brunswick Standard Lithologic Well Log, parts I, II, and III. The report can be used as a reference to aid in preparing new well logs or to accompany filled-in well logs as a means of interpreting the symbols, abbreviations, and procedures.

SYMBOLS, ABBREVIATIONS, and PROCEDURES for NEW BRUNSWICK STANDARD LITHOLOGIC WELL LOG

NATURAL RESOURCES AND ENERGY

LOG FORM



LENGTH

The depth below ground surface can be shown in metres and feet in this column. Any log scale can be chosen and the appropriate numbers inserted. Hatch marks are provided on the right side of the description column so that the log may be horizontally ruled.

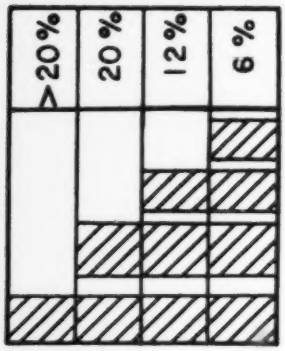
CORE

Shade in the interval in the core column (as shown) for which core was taken.

BED ANGLE

Display the attitude or angle of bedding with respect to core axis. Use column axis to symbolically represent the core axis.

POROSITY GRADE



FOUR DIVISIONS – RIGHT TO LEFT

Division 1, 3% - 6%, poor porosity with low permeability

Division 2, 6% - 12%, fair porosity

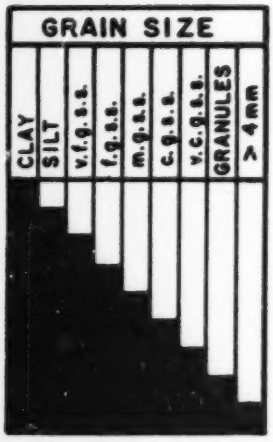
Division 3, 12% - 20%, good porosity

Division 4, over 20%, excellent porosity

COLOUR

Colours may be indicated using the appropriate abbreviations, eg. light red to dark brown, lt rd - dk brn

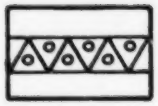
GRAIN SIZE

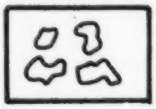


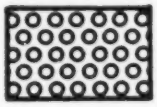
NINE DIVISIONS – LEFT TO RIGHT

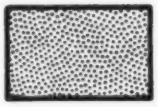
Clay	*less than 0.004 mm*
Silt	*0.004 to 0.063 mm*
v.f.g.s.s.	*0.063 to 0.125 mm*
f.g.s.s.	*0.125 to 0.25 mm*
m.g.s.s.	*0.25 to 0.50 mm*
c.g.s.s.	*0.50 to 1.00 mm*
v.c.g.s.s.	*1.00 to 2.00 mm*
Granules	*2.00 to 4.00 mm*
Pebbles, Cobbles, Boulders	*more than 4.00 mm*

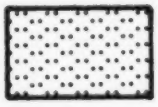
ROCK TYPE

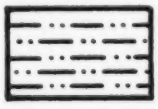

Glacial till, unconsolidated overburden

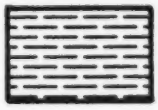

Breccia


Conglomerate
LT 167

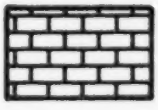

Sandstone
LT 88

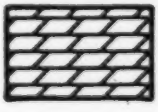

Siltstone
LT 146

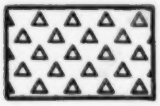

Mudstone

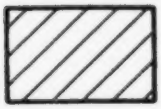

Shale
LT 952

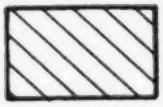
Coal

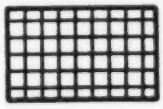

Limestone
LT 243

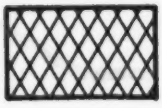

Dolostone
LT 244

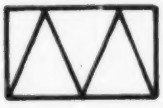

Chert
LT 240


Anhydrite
LT 64

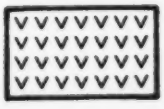

Gypsum
LT 64

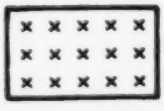

Rock salt
LT 81


Sylvinite
LT 227


Carnallite

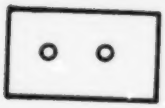
Glauberite


Volcanic flow tuffaceous rock
LT 957

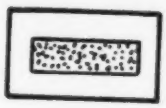

Igneous rock
LT 958

Metamorphic rock
LT 94

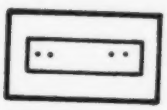
MODIFIER


Conglomeratic

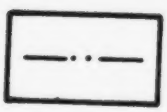
Sandy/arenaceous

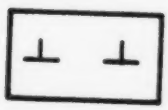

Sandstone stringer

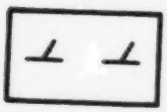
Silty

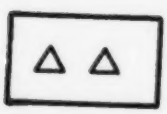

Siltstone stringer

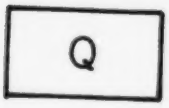
Shaly


Muddy/argillaceous

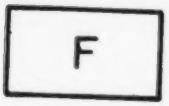

Calcareous


Dolomitic

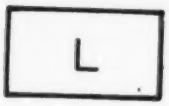

Cherty/siliceous



Quartzose

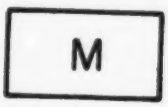


Feldspathic/arkosic

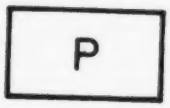


Lithic/polymictic

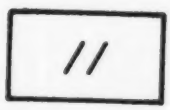
Volcaniclastic tuffaceous



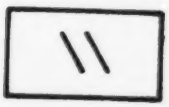
Micaceous



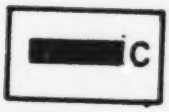
Pyritic



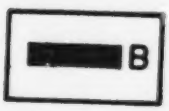
Anhydritic



Gypsiferous

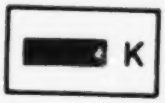


Coaly/carbonaceous

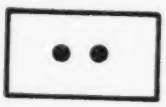


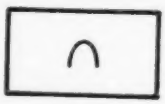
Bituminous

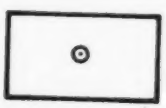
MODIFIER



Kerogenous

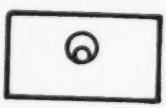

Phosphatic


Bioclastic Intraclastic

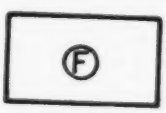

Oolites

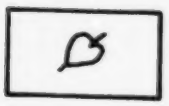
Pisolites

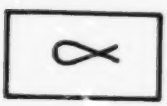
Pellets/lumps
fecal particles

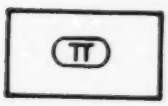

Oncolites/algal balls

Algal/algal laminated

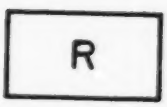

Fossiliferous


Plant remains

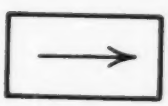

Fish remains

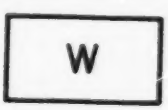


Fish scales



Recrystallized


Leached



Weathered

Poor oil stain

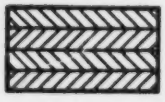
Good oil stain

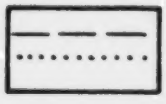
Dead oil stain

STRUCTURE

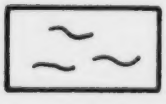
Planar cross-bedding

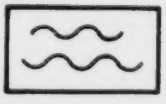
Trough cross-bedding


Herringbone cross-bedding

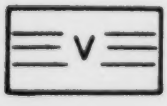

Graded bedding

Lenticular beds


Flaser bedding


Nodular beds

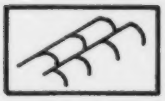
Parallel laminations



Varves

Wave ripples/wavy laminations

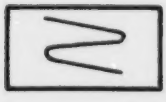
Current ripples or laminations

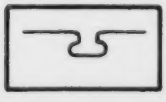

Climbing ripples or laminations

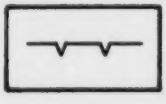
Planar cross-laminations

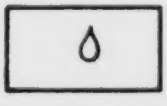
Trough cross-laminations

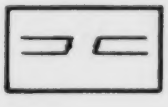
Convolute beds/ laminations


Slumped beds/ laminations

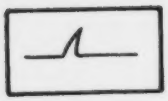

Load cast(s)

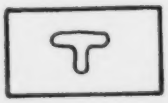

Mud cracks

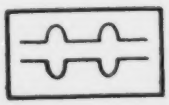

Rain prints

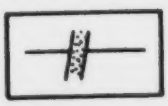

Pull-apart

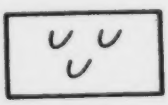
STRUCTURE

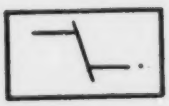

Flame structures

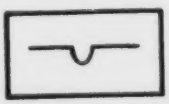

Injection structure

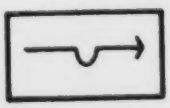

Boudinage/ball and pillow structures

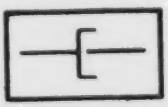

Sandstone dyke

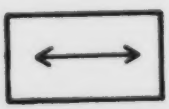

Dish structures

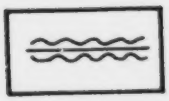

Synsedimentary faults

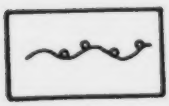

Scour mark(s)

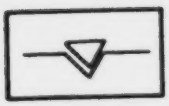

Flute cast(s)

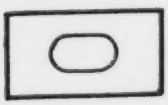

Groove cast(s)

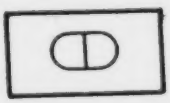

Striations

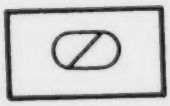

Parting lineation

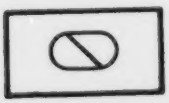

Erosion surface with pebble base

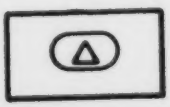

Rip-up clasts


Nodules, indeterminate composition

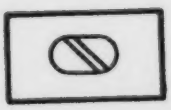

Limestone nodule(s)


Dolomite nodule(s)

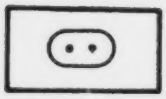

Siderite nodule(s)

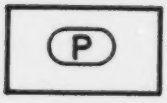

Chert nodule(s)

Anhydrite nodule(s)

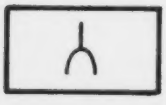

Gypsum nodule(s)

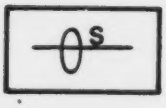
STRUCTURE


Phosphate nodule(s)

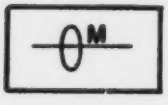


Pyrite nodule(s)

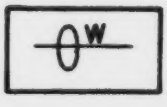

Root tube(s)



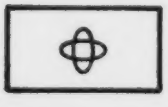
Slightly burrowed



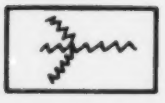
Moderately burrowed

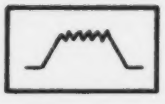


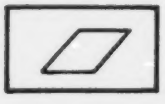
Well burrowed


Churned/bioturbated

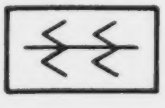
Breccia, solution collapse

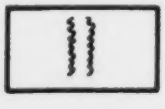

Dissolution compaction


Stylolite(s)


Salt hoppers or casts

Breccia, tectonic


Fractures, tectonic


Slickensides

ROUNDING

A	*Angular*	R	*Rounded*
a	*Subangular*	r	*Subrounded*

SORTING

W	*Well*	*1 or 2 size grades*
M	*Medium*	*3 or 4 size grades*
P	*Poor*	*5 or more size grades*

DESCRIPTION

Additional comments that cannot be accommodated in the other columns of the log may be put here using the abbreviations provided.

STANDARD ABBREVIATION FOR LITHOLOGIC DESCRIPTIONS

WORD	ABBREVIATION	WORD	ABBREVIATION
about	abt	black(-ish)	blk, blksh
above	abv	blade(-ed)	blde
absent	abs	blocky	blky
abundant	abnt	blue(-ish)	bl, blsh
acicular	acic	bored(-ing)	bor
after	aft	bottom	btm
agglomerate	aglm	botryoid(-al)	bot
aggregate	agg	boudinage	boud
albertite	alb	boulder	bld
algae, algal	alg	boundstone	bdst
allochem	allo	brachiopod	brach
altered	alt	brackish	brak
alternating	altg	branching	brhg
amber	amb	break	brk
amorphous	amor	breccia(-ted)	brec
amount	amt	bright	brt
and	&	brittle	brit
angular	ang	brown	brn
anhedral	ahd	bryozoa	bry
anhydrite(-ic)	anhy	bubble	bubl
anthracite	anthr	buff	bu
aphanitic	aph	bulbous	bulb
apparent	apr	burrow(-ed)	bur
appears	ap		
approximate	apprx	calcarenite	clcar
aragonite	arag	calcilutite	clclt
arenaceous	aren	calcirudite	clcrd
argillaceous	arg	calcisiltite	clslt
arkose(-ic)	ark	calcisphere	clcsp
as above	a.a.	calcite(-ic)	calc, caltc
asphalt(-ic)	asph	calcareous	calca
assemblage	assem	caliche	cche
associated	assoc	carbonaceous	carb
authigenic	authg	carbonate	crbnt
average	av	carbonized	cb
		cavern(-ous)	cav
band(-ed)	bnd	caving	cvg
barite(-ic)	bar	cement(-ed,-ing)	cmt
basalt(-ic)	bas	centimetre	cm
basement	bm	centre(-d)	cntr
become(-ing)	bcm	cephalopod	ceph
bed(-ded)	bd	chalcedony(-ic)	chal
bedding	bdg	chalk(-y)	chk, chky
bentonite(-ic)	bent	charophyte	char
between	btw	chert(-y)	cht
bitumen(-inous)	bit	chitin(-ous)	chit
bioclastic	biocl	chitinozoan	chtz
bioherm(-al)	bioh	chlorite(-ic)	chlor
biomicrite	biomi	chocolate	choc
biosparite	biosp	circulate(-ion)	circ
biostrom(-al)	biost	clastic	clas
biotite	biot	clay(-ey)	cl
bioturbated	bioturb	claystone	clst
bird's-eye	bdeye	clean	cln
		clear	clr

cleavage	clvg
cluster	clus
coal	co
coarse	crs
coarse-grained	cg
coated(-ing)	cotd, coty,
coated grains	cotd gn
cobble	cbl
colonial	coln
colour(-ed)	col
common	com
compact	cpct
compare	cf
concentric	cncn
conchoidal	conch
concretion(-ary)	conc
conglomerate(-ic)	cgl
conodont	cono
considerable	cons
consolidated	consol
conspicuous	conspic
contact	ctc
contamination(-ed)	contam
content	cont
continuous	ctous
contorted	cntrt
coquina(-oid)	coq,coqid
coral, coralline	cor, corln
core	c, ¢
covered	cov
cream	crm
crenulated	cren
crinkled	crnk
crinoid(-al)	crin,crinal
cross	x
cross-bed(-ded)	x-bd
cross-lamina(-ted, -tions)	x-lam
cross-stratified	x-strat
crumpled	crpld
crush(-ed)	cr
cryptocrystalline	crpxln
crystal(-line)	xl, xln
cube, cubic	cub
cuttings	ctgs
dark(-er)	dk, dkr
dead	dd
debris	deb
decrease(-ing)	decr
dendrite(-ic)	dend
dense	dns
description	descr
desiccation	dess
detrital	detr
devitrified	devit
diabase	db
diagenesis(-etic)	diagn
diameter	dia
discontinuous	disc
disseminated	dissem
dolomite(-ic)	dol
dolostone	dolst
dominant(-ly)	dom
drilling	drlg
drill-stem test	dst
drusy	dru
earthy	ea
east	E
elevation	elev
elongate	elong
embedded	embd
equant	eqnt
equivalent	equiv
euhedral	euhd
euxinic	eux
evaporite(-ic)	evap
excellent	ex
exposed	exp
extraclast(-ic)	exclas
extremely	extr
extrusive (rock)	exv
facet(-ed)	fac
faint	fnt
fair	fr
fault(-ed)	flt
fauna	fau
feet	ft
feldspar(-athic)	fspr
ferromagnesian	fe-mag
ferruginous	ferr
fibrous	fibr
fill(-ed)	fil
fine(-ly)	f, fnly
fine-grained	fg
fissile	fis
flaggy	flg
flake, flaky	flk
flat	fl
flesh	fls
floating	fltg
flora	flo
fluorescence(-ent)	fluor
foliated	fol
foot	ft
formation	fm

fossil(-iferous)	foss
fracture(-d)	frac
fragment(-al)	frag
framework	frmwk
frequent	freq
fresh	frs
friable	fri
fringe(-ing)	frg
frosted	fros
frosted quartz grains	f.q.g.
fucoid(-al)	fuc
gabbro	gab
gastropod	gast
gas	g
generally	gen
geopetal	gept
gilsonite	gil
glass(-y)	glas
glauconite	glauc
gloss(-y)	glos
gneiss(-ic)	gns
good	gd
grade(-ed)	grd
grading	grad
grain(-s, -ed)	gr
grainstone	grst
granite	grt
granite wash	g.w.
granule(-ar)	gran
grapestone	grapst
gravel	grv
greasy	gsy
green(-ish)	gn, gnsh
grey(-ish)	gry, grysh
greywacke	gwke
grit(-ty)	gt
gypsum(-iferous)	gyp
hackly	hkl
halite(-iferous)	hal
hard	hd
heavy	hvy
hematite(-ic)	hem
heterogeneous	hetr
hexagonal	hex
high(-ly)	hi
homogeneous	hom
horizontal	hor
hornblende	hornbd
hydrocarbon	hydrc
igneous (rock)	ig
imbedded	imbd
impression	imp
inch	in
inclined	incd
inclusion(-ded)	incl
increasing	incr
indistinct	indst
indurated	ind
in part	i.p.
insoluble	insl
interbedded	intbd
intercalated	intercal
intercrystalline	intxln
interfragmental	intfrag
intergranular	intgran
intergrown	intgn
interlaminated	intlam
interparticle	intpar
interpretation	intpt
intersticies(-itial)	intst
interval(s)	intvl(s)
intraclast(-ic)	intclas
intraparticle	intrapar
intrusive (rock)	intr
invertebrate	invtb
ironstone	fe-st
irregular(-ly)	irr
irridescent	irrid
isopachous	iso
jasper	jasp
joint(-ed,-ing)	jt
kaolin(-itic)	kao
kerogen(-ous)	ker
lacustrine	lac
lamina(-tions,-ted)	lam
large	lge
laterite(-ic)	lat
lavender	lav
layer	lyr
leached	lchd
lenticular	lent
light	lt
lignite(-ic)	lig
limestone	ls
limonite(-ic)	lim
limy	lmy
lithic	lit
lithographic	lithgr

lithology(-ic)	lith
little	ltl
littoral	litt
local(-ly)	loc
long	lg
loose	lse
lower	l
lumpy	lmpy
lustre	lstr
lutite	lut
macrofossil	macrofos
magnetite, magnetic	mag
manganese(-iferous)	mn
marble	mbl
marl(-y)	mrl
marlstone	mrlst
marine	marn
maroon	mar
massive	mass
material	mat
matrix	mtrx
maximum	max
medium	med
medium-grained	mg
member	mbr
meniscus	men
metamorphic (rock)	meta
metamorphosed	metaph
metasomatic	msm
metre	m
mica(-ceous)	mic
micrite(-ic)	micr
micro	micro
microcrystalline	microxln
microfossil(-iferous)	microfos
micrograined	micgr
micro-oolite	microol
micropore(-osity)	micropor
microstylolite	microstyl
middle	mid
milky	mky
millimetre	mm
mineral(-ized)	min
minor	mnr
minute	minu
moderate	mod
mold(-ic)	mol
mollusc	moll
mosaic	mos
mottled	mott
mud(-dy)	md, mdy
mudstone	mdst
muscovite	musc
nacreous	nac
no, none, non	no
nodules(-ar)	nod
north	N
no sample	n.s.
no show	n/s
novaculite	novac
no visible porosity	n.v.p.
numerous	num
occasional	occ
ochre	och
odour	od
oil	o
oil source rock	osr
olive	olv
olivine	olvn
oocast	oocst
ooid(-al)	oo
oolicast(-ic)	ooc
oolite	ool
oomold(-ic)	oomol
oncolite(-oidal)	onc
opaque	op
orange(-ish)	or, orsh
organic	org
orthoclase	orth
orthoquartzite	o-qtz
ostracod	ostr
overgrowth	ovgth
oxidized	ox
packstone	pkst
paper(-y)	pap
parallel	pll
part(-ly)	pt
particle	par
parting	ptg
parts per million	ppm
patch(-y)	pch
pearly	prly
pebble(-ly)	pbl
pelecypod	pelec
pellet(-al)	pel
pelletoid(-al)	peld
permeability(-able)	k, perm
pendular(-ous)	pend
petroleum(-iferous)	pet
phenocrysts	phen
phlogopite	phlog
phosphate(-ic)	phos
phyllite(-ic)	phyl
phreatic	phr
pink(-ish)	pk, pksh
pin-point porosity	p.p.
pisolite(-ic)	pisol
pitted	pit
plagioclase	plag
plant	plt
plastic	plas

platy	plty
polish(-ed)	pol
polygonal	poly
poor(-ly)	p
porcelaneous	porcel
porosity, porous	ϕ, por
porphyry(-itic)	prphy
possible(-y)	poss
predominant(-ly)	pred
preserved	pres
pressure deformation	p-d
primary	prim
prism(-atic)	pris
probable(-y)	prob
production	prod
prominent	prom
pseudo-	ps
pseudo-oolite(-ic)	psool
pumice stone	pst
purple(-ish)	purp, purpsh
pyrite(-ize,-ic)	pyr
pyrobitumen	pybit
pyroclastic	pyrcl
pyroxene	pyrox
quartz(-ose)	qtz
quartzite(-ic)	qtzt
radial(-ating)	rad
radiaxial	radax
range	rng
rare	r
recemented	recem
recovery(-ed)	rec
recrystallized	rexlzd
red(-dish)	rd, rdsh
reef(-oid)	rf
remains	rem
replaced(-ment)	rep
residue(-al)	res
resinous	rsns
rhomb(-ic)	rhb
ripple	rpl
rock	rk
round(-ed)	rnd, rndd
rubble(-y)	rbl
rudist	rud
rugose (rugosa)	rug
saccharoidal	sacc
salt(-y)	sa
salt and pepper	s & p
salt cast(-ic)	sa-c
salt water	s.w.
same as above	a.a.
sample	spl
sand(-y)	sd, sdy
sandstone	ss
saturation(-ed)	sat
scales	sc
scarce	scs
scattered	scat
schist(-ose)	sch
secondary	sec
sediment(-ary)	sed
selenite	sel
septate	sept
shadow	shad
shale(-y)	sh
shell	shl
shelter porosity	shlt por
show	shw
siderite(-ic)	sid
sidewall core	s.w.c.
silica(-eous)	sil
silky	slky
silty	slty
siltstone	sltst
similar	sim
size	sz
skeletal	skel
slabby	slb
slate	sl
slickenside(-d)	slick
slight(-ly)	sli, slily
small	sml
smooth	sm
soft	sft
solitary	sty
solution, soluble	sol
somewhat	smwt
sorted(-ing)	srt, srtg
south	S
spar(-ry)	spr
sparse(-ly)	sps, spsly
speck(-led)	spk, spkld
sphalerite	sphal
spherule(-itic)	spher
spicule(-ar)	spic
splintery	splin
spore	spo
spotted(-y)	sptd, spty
stain(-ed, -ing)	stn
stalactitic	stal
strata(-ified)	strat
streak	strk
streaming	stmg
striae(-ted)	stri
stringer	strgr

stromatolite(-ic)	stromlt
structure	str
stylolite(-ic)	styl
sub	sb
subangular	sbang
sublithic	sblit
subrounded	sbrndd
sucrosic	suc
sugary	sug
sulphur(-ous)	su
superficial oolites	spfool
surface	surf
syntaxial	syn
tabular(-ate)	tab
tan	tn
tension	ten
terrigenous	ter
texture(-d)	tex
thick	thk
thin	thn
thin-bedded	t.b.
thin section	t.s.
throughout	thru
tight	ti
top	tp
tough	tgh
trace	tr
translucent	trnsl
transparent	trnsp
tripoli(-c)	trip
tube(-ular)	tub
tuff(-aceous)	tf
type(-ical)	typ
unconformity	unconf
unconsolidated	uncons
underclay	uc
underlying	undly
unidentifiable	unident
uniform	uni
upper	u
vadose	vad
variation	var
varicoloured	varic
variegated	vgt
varved	vrvd
vein(-ing, -ed)	vn
veinlet	vnlet
vermillion	verm
vertebrate	vrtb
vertical	vert
very	v
very poor sample	v.p.s.
vesicular	ves
violet	vi
visible	vis
vitreous(-ified)	vit
volatile	volat
volcanic (rock)	volc
vug(-gy)	vug
wackestone	wkst
washed residue	w.r.
water	wtr
wavy	wvy
waxy	wxy
weak	wk
weathered	wthd
well	wl
west	W
white	wh
with	w/
without	w/o
wood	wd
yellow(-ish)	yel, yelsh
zeolite	zeo
zircon	zr
zone	zn

ABBREVIATION	WORD
&	and
a.a.	as above
abnt	abundant
abs	absent
abt	about
abv	above
acic	acicular
aft	after
agg	aggregate
aglm	agglomerate
alb	albertite
alg	algae, algal
allo	allochem
alt	altered
altg	alternating
amb	amber
amor	amorphous
amt	amount
ahd	anhedral
ang	angular
anhy	anhydrite(-ic)
ap	appears
aph	aphanitic
apprx	approximate
apr	apparent
anthr	anthracite
arag	aragonite
aren	arenaceous
arg	argillaceous
ark	arkose(-ic)
asph	asphalt(-ic)
assem	assemblage
assoc	associated
authg	authigenic
av	average
bar	barite(-ic)
bas	basalt(-ic)
bcm	become(-ing)
bd	bed(-ded)
bdeye	bird's-eye
bdg	bedding
bdst	boundstone
bent	bentonite(-ic)
biocl	bioclastic
bioh	bioherm(-al)
biomi	biomicrite
biosp	biosparite
biost	biostrom(-al)
biot	biotite
bioturb	bioturbated
bit	bitumen(-inous)
bl,blsh	blue(-ish)
bld	boulder
blde	blade(-ed)
blk,blksh	black(-ish)
blky	blocky
bm	basement
bnd	band(-ed)
bor	bored(-ing)
bot	botryoid(-al)
boud	boudinage
brach	brachiopod
brak	brakish
brec	breccia(-ted)
brhg	branching
brit	brittle
brk	break
brn	brown
brt	bright
bry	bryozoa
btm	bottom
btw	between
bu	buff
bubl	bubble
bulb	bulbous
bur	burrow(-ed)
c, ¢	core
calc, caltc	calcite(-ic)
calca	calcareous
carb	carbonaceous
cav	cavern(-ous)
cb	carbonized
cbl	cobble
cche	caliche
ceph	cephalopod
cf	compare
cg	coarse-grained
cgl	conglomerate(-ic)
chal	chalcedony(-ic)
char	charophyte
chit	chitin(-ous)
chk, chky	chalk(-y)
chlor	chlorite(-ic)
choc	chocolate
cht	chert(-y)
chtz	chitinozoan

circ	circulate(-ion)
cl	clay(-ey)
clas	clastic
clcar	calcarenite
clclt	calcilutite
clcrd	calcirudite
clcsp	calcisphere
cln	clean
clr	clear
clslt	calcisiltite
clst	claystone
clus	cluster
clvg	cleavage
cm	centimetre
cmt	cement(-ed,-ing)
cncn	concentric
cntr	centre(-d)
cntrt	contorted
co	coal
col	colour(-ed)
coln	colonial
com	common
conc	concretion(-ary)
conch	conchoidal
cono	conodont
cons	considerable
consol	consolidated
conspic	conspicuous
cont	content
contam	contamination(-ed)
coq,coqid	coquina(-oid)
cor,corln	coral, coralline
cotd,cotg	coated(-ing)
cotd gn	coated grains
cov	covered
cpct	compact
crbnt	carbonate
cr	crush(-ed)
cren	crenulated
crin,crinal	crinoid(-al)
crm	cream
crnk	crinkled
crpld	crumpled
crpxln	cryptocrystalline
crs	coarse
ctc	contact
ctgs	cuttings
ctous	continuous
cub	cube, cubic
cvg	caving
db	diabase
dd	dead
deb	debris
decr	decrease(-ing)
dend	dendrite(-ic)
descr	description
dess	desiccation
detr	detrital
devit	devitrified
dia	diameter
diagn	diagenesis(-etic)
disc	discontinuous
dissem	disseminated
dist	distilate
dk, dkr	dark(-er)
dns	dense
dol	dolomite(-ic)
dolst	dolostone
dom	dominant(-ly)
drlg	drilling
dru	drusy
dst	drill-stem test
E	east
ea	earthy
elev	elevation
elong	elongate
embd	embedded
eqnt	equant
equiv	equivalent
euhd	euhedral
eux	euxinic
evap	evaporite(-ic)
ex	excellent
exclas	extraclast(-ic)
exp	exposed
extr	extremely
exv	extrusive (rock)
f, fnly	fine(-ly)
fac	facet(-ed)
fau	fauna
fe-mag	ferromagnesian
ferr	ferruginous
fe-st	ironstone
fibr	fibrous
fil	fill(-ed)
fg	fine-grained
fis	fissile
fl	flat
flg	flaggy
flk	flake, flaky
flo	flora
fls	flesh
flt	fault(-ed)
fltg	floating
fluor	fluorescence(-ent)
fm	formation
fnt	faint
fol	foliated

foss	fossil(-iferous)
fr	fair
frac	fracture(-d)
frag	fragment(-al)
freq	frequent
frg	fringe(-ing)
fri	friable
frmwk	framework
fros	frosted
frs	fresh
f.q.g.	frosted quartz grains
fspr	feldspar(-athic)
ft	foot, feet
fuc	fucoid(-al)
g	gas
gab	gabbro
gast	gastropod
gd	good
gen	generally
gept	geopetal
gil	gilsonite
glas.	glass(-y)
glauc	glauconite
glos	gloss(-y)
gn, gnsh	green(-ish)
gns	gneiss(-ic)
gr	grain(-s, -ed)
grad	grading
gran	granule(-ar)
grapst	grapestone
grd	grade(-ed)
grst	grainstone
grt	granite
grv	gravel
gry,grysh	grey(-ish)
gsy	greasy
gt	grit(-ty)
g.w.	granite wash
gwke	greywacke
gyp	gypsum(-iferous)
hal	halite(-iferous)
hd	hard
hem	hematite(-ic)
hetr	heterogeneous
hex	hexagonal
hi	high(-ly)
hkl	hackly
hom	homogeneous
hor	horizontal
hornbd	hornblende
hvy	heavy
hydrc	hydrocarbon
ig	igneous (rock)
imbd	imbedded
imp	impression
in	inch
incd	inclined
incl	inclusion(-ded)
incr	increasing
ind	indurated
indst	indistinct
i.p.	in part
insl	insoluble
intbd	interbedded
intclas	interclast(-ic)
intercal	intercalated
intfrag	interfragmental
intgran	intergranular
intgn	intergrown
intlam	interlaminated
intpar	interparticle
intpt	interpretation
intr	intrusive (rock)
intrapar	intraparticle
intst	intersticies(-itial)
intvl(s)	interval(s)
intxln	intercrystalline
invtb	invertebrate
irr	irregular(-ly)
irrid	irridescent
iso	isopachous
jasp	jasper
jt	joint(-ed, -ing)
k	permeability(-able)
kao	kaolin(-itic)
ker	kerogen(-ous)
l	lower
lac	lacustrine
lam	lamina(-tions, -ted)
lat	laterite(-ic)
lav	lavender
lchd	leached
lent	lenticular
lg	long
lge	large
lig	lignite(-ic)
lim	limonite(-ic)
lit	lithic
lith	lithology(-ic)
lithgr	lithographic
litt	littoral
lmpy	lumpy

lmy	limy
loc	local(-ly)
ls	limestone
lse	loose
lstr	lustre
lt	light
ltl	little
lut	lutite
lyr	layer
m	metre
macrofos	macrofossil
mag	magnet(-ite, -ic)
mar	maroon
marn	marine
mass	massive
mat	material
max	maximum
mbl	marble
mbr	member
md, mdy	mud(-dy)
mdst	mudstone
med	medium
men	meniscus
meta	metamorphic (rock)
metaph	metamorphosed
mg	medium-grained
mic	mica(-ceous)
micgr	micrograined
micr	micrite(-ic)
micro	micro
microfos	microfossil (-iferous)
microol	micro-oolite
micropor	micropore(-osity)
microstyl	microstylolite
microxln	microcrystalline
mid	middle
min	mineral(-ized)
minu	minute
mky	milky
mm	millimetre
mn	manganese(-iferous)
mnr	minor
mod	moderate
mol	mold(-ic)
moll	mollusc
mos	mosaic
mott	mottled
mrl	marl(-y)
mrlst	marlstone
msm	metasomatic
mtrx	matrix
musc	muscovite
N	north
nac	nacreous
no	no, none, non
nod	nodules(-ar)
n.s.	no sample
n/s	no show
novac	novaculite
n.v.p.	no visible porosity
num	numerous
o	oil
occ	occasional
och	ochre
od	odour
olv	olive
olvn	olivine
onc	oncolite(-oidal)
oo	ooid(-al)
ooc	oolicast(-ic)
oocst	oocast
ool	oolite
oomol	oomold(-ic)
op	opaque
o-qtz	orthoquartzite
or, orsh	orange(-ish)
org	organic
orth	orthoclase
osr	oil source rock
ostr	ostracod
ovgth	overgrowth
ox	oxidized
p	poor(-ly)
pap	paper(-y)
par	particle
pbl	pebble(-y)
pch	patch(-y)
p-d	pressure deformation
pel	pellet(-al)
peld	pelletoid(-al)
pelec	pelecypod
pend	pendular(-ous)
perm	permeability(-able)
pet	petroleum(-iferous)
phen	phenocrysts
phlog	phlogopite
phos	phosphate(-ic)
phr	phreatic
phyl	phyllite(-ic)
pisol	pisolite(-ic)
pit	pitted
pk, pksh	pink(-ish)
pkst	packstone
plag	plagioclase
plas	plastic

pll	parallel
plt	plant
plty	platy
pol	polish(-ed)
poly	polygonal
por, ϕ	porosity(-ous)
porcel	porcelaneous
poss	possible(-y)
p.p.	pin-point porosity
ppm	parts per million
pred	predominant(-ly)
pres	preserved
prim	primary
pris	prism(-atic)
prob	probable(-y)
prod	production
prom	prominent
prly	pearly
prphy	porphyry(-itic)
ps	pseudo
psool	pseudo-oolite(-ic)
pst	pumice stone
pt	part(-ly)
ptg	parting
purp,purpsh	purple(-ish)
pybit	pyrobitumen
pyr	pyrite(-ize,-ic)
pyrocl	pyroclastic
pyrox	pyroxene
qtz	quartz(-ose)
qtzt	quartzite(-ic)
r	rare
rad	radial(-iating)
radax	radiaxial
rbl	rubble(-y)
rd, rdsh	red(-dish)
rec	recovery(-ed)
recem	recemented
rem	remains
rep	replaced(-ment)
res	residue(-al)
rexlzd	recrystallized
rf	reef(-oid)
rhb	rhomb(-ic)
rk	rock
rnd, rndd	round(-ed)
rng	range
rpl	ripple
rsns	resinous
rud	rudist
rug	rugose(a)

S	south
sa	salt(-y)
sacc	saccharoidal
sat	saturation(-ed)
sb	sub
sbang	subangular
sblit	sublithic
sbrndd	subrounded
sc	scales
scat	scattered
sch	schist(-ose)
scs	scarce
sd, sdy	sand(-y)
sec	secondary
sed	sediment(-ary)
sel	selenite
sept	septate
sft	soft
sh	shale(-y)
shad	shadow
shl	shell
shlt por	shelter porosity
shw	show
sid	siderite(-ic)
sil	silica(-eous)
sim	similar
skel	skeletal
sl	slate
slb	slabby
slick	slickenside(-d)
sli, slily	slight(-ly)
slky	silky
sltst	siltstone
slty	silty
sm	smooth
sml	small
smwt	somewhat
sol	solution, soluble
s & p	salt and pepper
spfool	superficial oolites
sphal	sphalerite
spher	spherule(-itic)
spic	spicule(-ar)
spk, spkld	speck(-led)
spl	sample
splin	splintery
spo	spore
spr	spar(-ry)
sps, spsly	sparse(-ly)
sptd, spty	spotted(-y)
srt, srtg	sorted(-ing)
ss	sandstone
stal	stalactitic
stmg	streaming

stn	stain(-ed, -ing)
str	structure
strat	strata(-ified)
strgr	stringer
stri	striae(-ted)
strk	streak
stromlt	stromatolite(-ic)
sty	solitary
styl	stylolite(-ic)
su	sulphur(-ous)
suc	sucrosic
sug	sugary
surf	surface
s.w.	salt water
s.w.c.	side wall core
syn	syntaxial
sz	size
tab	tabular(-ate)
t.b.	thin-bedded
ten	tension
ter	terrigenous
tex	texture(-d)
tf	tuff(-aceous)
tgh	tough
thk	thick
thn	thin
thru	throughout
ti	tight
tn	tan
tp	top
tr	trace
trip	tripoli(-c)
trnsl	translucent
trnsp	transparent
t.s.	thin section
tub	tube(-ular)
typ	type(-ical)
u	upper
uc	underclay
unconf	unconformity
uncons	unconsolidated
undly	underlying
uni	uniform
unident	unidentifiable
v	very
vad	vadose
var	variation
varic	varicoloured
verm	vermillion
vert	vertical
ves	vesicular
vgt	variegated
vi	violet
vis	visible
vit	vitreous(-ified)
vn	vein(-ing, -ed)
vnlet	veinlet
volat	volatile
volc	volcanic (rock)
v.p.s.	very poor sample
vrtb	vertebrate
vrvd	varved
vug	vug(-gy)
W	west
w/	with
w/o	without
wd	wood
wh	white
wk	weak
wkst	wackestone
wl	well
w.r.	washed residue
wthd	weathered
wtr	water
wvy	wavy
wxy	waxy
x	cross
x-bd	cross-bed(-ded)
xl, xln	crystal(-line)
x-lam	cross-lamina(-tions, -ted)
x-strat	cross-stratified
yel, yelsh	yellow(-ish)
zeo	zeolite
zn	zone
zr	zircon